

SECRET/NOFORN

9 May 1962

MEMORANDUM FOR ALL CONCERNED

SUBJECT: The HYLAND PANEL Meeting on the Soviet ICBM Program --  
4, 5 and 6 June 1962

1. Pursuant to USIB action on 2 May 1962 (USIB M 212), the Hyland Panel will be convened on 4, 5 and 6 June 1962 in Room 6F33, CIA Headquarters Building, Langley, Virginia. Attached hereto are:  
(a) the Agenda for the Hyland Panel meetings as approved by GMAIC on 8 May 1962; (b) a set of Specific Questions for the Panel's consideration also approved by GMAIC; (c) the proposed purposes and scope of the Panel's activities as approved by USIB on 2 May 1962; and (d) some general information.

2. The Agenda and the set of Specific Questions are designed to focus the Panel's attention on the critical aspects of the Soviet ICBM program; all briefers and other participants are encouraged to carefully review those items and direct their presentations and remarks toward providing the pertinent data and analyses pertaining thereto.

3. Col. Earl McFarland, Chairman of GMAIC (Phone: Code 11 X-71770), and the undersigned [redacted] will provide direct support to the Hyland Panel. We will be glad to answer any questions or clarify any points contained in the four attachments.

[redacted]  
Chief, Offensive Systems Division,  
Office of Scientific Intelligence, CIA

Attachments:

1. Agenda for Hyland Panel Meeting
2. Specific Questions for Hyland Panel Consideration
3. Proposed Purposes and Scope of Hyland Panel Activities
4. General Information

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ATTACHMENT 1

9 May 1962

AGENDA FOR HYLAND PANEL MEETING ON  
SOVIET ICBM PROGRAM4, 5 and 6 June 1962  
Room 6F33, CIA Headquarters Building  
Langley, VirginiaMonday, 4 June 1962

0900 - 0915	Welcome, Introductory Remarks and Security CIA - Dr. Scoville/Dr. Wheelon GMAIC - Col. McFarland CIA - [REDACTED]	50X1
0915 - 0930	Purpose and Scope of Hyland Panel Meeting GMAIC - Col. McFarland, [REDACTED] Dr. Hyland	50X1
0930 - 1000	Resume of Soviet Ballistic Missile Program and TTMTR Facilities GMAIC - [REDACTED]	50X1
1000 - 1230	<u>CATEGORIES "A" and "B" ICBM's (SS-6 and SS-7)</u> <u>First and Second Generations</u>	
(1 hr.)	a. Flight Test Programs and Technical Characteristics GMAIC - [REDACTED]	50X1
(15 min)	b. BREAK	
(30 min)	c. Operational Deployment GMAIC - Lt. Col. Wills	
(15 min)	d. Operational Philosophy as Reflected by Other Systems CIA/ORR - [REDACTED]	50X1
(30 min)	e. DISCUSSION - Specific Questions Dr. Hyland	
1230 - 1330	<u>LUNCH</u>	

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1330 - 1615 CATEGORY "C" ICBM (SS-8)

(30 min) a. Flight Test Program including Launch and Impact Data GMAIC - (NSA)

(30 min) b. Technical Characteristics USAF - Mr. T. Perry

(30 min) c. Technical Characteristics CIA/STL -  50X1  
  50X1

(30 min) d. Technical Characteristics USA/AOMC -

(15 min) e. BREAK

(30 min) f. DISCUSSION - Specific Questions Dr. Hyland

1615 - 1645 Soviet Nuclear Tests - Missile Warheads JAEIC -

1645 - 1730 Soviet Space Program, including Military Aspects  
GMAIC -

1730 - 1900 DINNER

1900 - 1930 Soviet Command and Control System GMAIC - (NSA)

1930 - 2030 Soviet ABM Program GMAIC -  50X1

2030 - 2130 Soviet Bomber/ASM, ARBM Deployment and Submarine/  
Missile Programs CIA/ONE - Mr. Stoertz

2130 - 2200 PANEL DISCUSSION Dr. Hyland

Tuesday, 5 June 1962

0900 - 0930 Prior USIB Assessments of the ICBM Threat CIA/ONE - Mr. Stoertz

0930 - 1100 Current SAC's Views on the ICBM Threat JCS/SAC -

1100 - 1115 BREAK

1115 - 1145 DISCUSSION Dr. Hyland

1145 - 1230 Current USAF's Views on the ICBM Threat USAF - Col. Farrior

1230 - 1330 LUNCH

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1330 - 1345	DISCUSSION	Dr. Hyland
1345 - 1415	<u>USA's Views on the ICBM Threat</u>	<u>USA</u> - _____
1415 - 1430	<u>USN's Views on the ICBM Threat</u>	<u>USN</u> - _____
1430 - 1445	DISCUSSION	Dr. Hyland
1445 - 1500	BREAK	
1500 - 1545	<u>CIA's Views on the ICBM Threat</u>	<u>CIA/ORR</u> - <span style="border: 1px solid black; display: inline-block; width: 100px; height: 1.2em; vertical-align: middle;"></span> 50X1
1545 - 1600	DISCUSSION	Dr. Hyland
1600 - 1800	PANEL DELIBERATIONS	Dr. Hyland

Wednesday, 6 June 1962

0900 - 1030	PANEL SUMMARY SESSION FOR PREPARATIONS OF PRESENTATION TO USIB	Dr. Hyland
1030 -	<u>Briefing of USIB and Discussion</u>	Dr. Hyland

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ATTACHMENT 2

9 May 1962

SPECIFIC QUESTIONS FOR HYLAND PANEL CONSIDERATION

NOTE: The following questions represent specific topics on which the Hyland Panel's views are desired; each briefer should review this list and concentrate on presenting those data pertinent thereto. The Panel will work on an ALL SOURCE basis.

I. CATEGORY "A" ICBM (SS-6) First Generation

1. Guidance system(s) and accuracies?
2. System reaction, hold, reload and refire capabilities?
3. Numbers now deployed and type(s) of sites?  
(What are the chances we are missing deployment?)
4. Significance of continuing flight testing?

II. CATEGORY "B" ICBM (SS-7) Second Generation

1. Guidance system(s) and accuracies?
2. System reaction, hold, reload and refire capabilities?
3. Numbers now deployed and type(s) of sites?  
(What are the chances we are missing deployment?)  
(True operational effectiveness of these sites as a function of time?)  
(Significance of phase-in timing?)
4. Significance of soft sites with a refire capability?
5. Potential for hardening sites?

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III. CATEGORY "C" (SS-8)

1. Vehicle size, weight and payload capabilities?
2. Purpose(s) = ICBM (large or small) and/or space booster?  
(If "small" ICBM, relationship with "B" ICBM?)
3. Guidance system(s) and accuracies?
4. IOC?
5. Likely deployment mode?

IV. GENERAL - The ICBM Threat

1. Soviet state-of-the-art in ICBM's?
2. Present level of the ICBM threat?
3. Sequence of probable Soviet development and deployment decisions for ICBM programs?
4. Command and control structure for ICBM sites?
5. Likely characteristics of future systems, including:
  - a. Larger and/or smaller vehicles;
  - b. Solid vs storeable propellants;
  - c. Penetration aids;
  - d. Anti-BMEW's techniques;
  - e. Orbital and suborbital bombardment systems; and
  - f. Extended range ballistic missiles?
6. Likely future deployment characteristics, such as hardening, mobility, dispersal, camouflage, concealment, dummies and alternative sites?
7. Adequacy of evidence, quality of analysis, and suggestions for improvements therein?

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ATTACHMENT 3

2 May 1962

PROPOSED PURPOSES AND SCOPE OF HYLAND PANEL ACTIVITIES  
(Approved by USIB on 2 May 1962)

Purposes. To present to the USIB:

1. The Panel's views of intelligence on the Soviet ICBM program with respect to the adequacy of evidence, quality of analysis and suggestions for improvement in the evidential base and analytical techniques; and

2. The Panel's views, in the light of available intelligence and analysis, as to the present status of the Soviet ICBM program including its judgment as to present Soviet "state-of-the-art" in ICBM technology and possible future direction of the program.

Related Problems.

Where possible, the Panel should also comment on certain specific problems of present concern to the intelligence community with respect to Soviet ICBM technology.

1. Guidance systems and accuracies
2. System reaction, hold, reload and refire capabilities
3. Characteristics of future systems, including penetration aids, anti-BMEWS techniques, orbital and suborbital bombardment systems and extended range ballistic missiles--or other interpretations of recent Malinovsky statements.
4. Category "C" vehicle: purpose, size, payload capabilities and IOC date
5. Deployment characteristics: hardening, mobility, dispersal, camouflage, concealment, dummies and alternative sites.

Background Information.

The following series of briefings will serve as background for the Panel's deliberations:

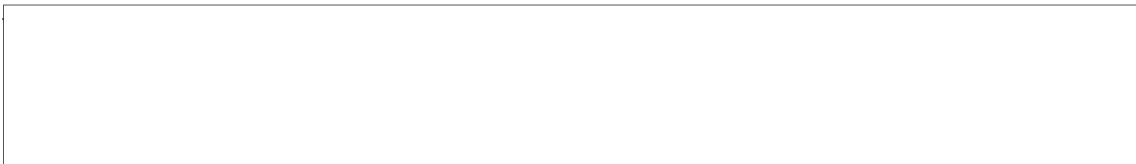
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1. Review of evidence and its evaluation

a. Activities and facilities at ballistic missile test ranges (including Pacific series).



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d. Evidence on deployment of MRBM's and ICBM's.

e. Extent of information coverage.

f. Review of recent Soviet nuclear tests.

g. Other Soviet military programs.

2. Present status of Soviet ICBM programs; including views of individual agencies and components.

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ATTACHMENT 4

9 May 1962

GENERAL INFORMATIONHYLAND PANEL

Dr. Lawrence A. Hyland, Chairman.....Vice President & General Manager  
Hughes Aircraft Company

Dr. Hendrik W. Bode, Member.....Vice President  
Bell Telephone Laboratories

Lt. General Howell M. Estes, Member...Deputy Commander  
Aerospace Systems

Dr. George B. Kistiakowsky, Member....Professor of Chemistry  
Harvard University

Dr. William J. Perry, Member.....Engineering Manager  
Sylvania Electronics Defense Lab.

Mr. Arthur E. Raymond, Member.....Vice President and Director of  
Research, Rand Corporation

Rear Admiral Levering Smith, Member...Director, Technical Division,  
Special Projects Office, Bureau  
of Naval Weapons

Colonel Earl McFarland, Support.....Chairman, GMAIC

Support.....Chief, Offensive Systems Division, 50X1  
OSI, CIA

Secretary.....Administrative Assistant to AD/SI 50X1

BRIEFERS -- A complete list of briefers will be compiled later.

NOTE: All briefers are invited to listen to other presentations, and  
are requested to be available for Panel questions at any time  
subsequent to their presentation.

NPIC: Although separate NPIC presentations are not necessary this time,  
it is requested that NPIC provide two or three personnel to be  
present throughout the sessions for answering specific questions  
related to their critical data input on the Soviet ICBM program.

OBSERVERS

GMAIC Members

USIB Representatives directly concerned with NIE 11-8-62.

Office of National Estimates personnel directly concerned with NIE 11-8-62.

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SECURITY -- All sessions will be conducted on an ALL SOURCE basis.

[redacted] 50X1  
will help on any security problems or questions. Clearances of all briefers and observers must be certified through appropriate channels to one of these gentlemen prior to 4 June 1962.

ADMINISTRATION

PARKING is extremely limited; use of government transportation is encouraged wherever possible. We will try to arrange for some visitor parking in the area prescribed therefor by the Main entrance.

ENTRANCE Personnel without CIA badges are requested to enter via the Main entrance or via the Northeast entrance.

QUESTIONS pertaining to the above should be directed to my Administrative Assistant, [redacted] 50X1

DISTRIBUTION -- GMAIC Members will receive copies of this material; they are requested to provide same to their USIB Representatives and other concerned personnel in their organization.

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Chief, Offensive Systems Division,  
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2. Specific Questions for Hyland Panel Consideration
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(1 hr.)	a. Flight Test Programs and Technical Characteristics <u>GMAIC</u> - [REDACTED]	50X1
(15 min)	b. BREAK	
(30 min)	c. Operational Deployment <u>GMAIC</u> - Lt. Col. Wills	
(15 min)	d. Operational Philosophy as Reflected by Other Systems <u>CIA/ORR</u> - [REDACTED]	50X1
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(30 min)      b. Technical Characteristics      USAF - Mr. T. Perry

(30 min)            c. Technical Characteristics

CIA/STL -

50X1

50X1

(30 min)      d. Technical Characteristics

USA/AOMC

- Mr. Duckett

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50X1

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GMATC

Col Fox (USAF)

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GMAIC

50X1

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CIA/ONE

Mr. Stoertz

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CIA/ONE - Mr. Stoertz

0930 - 1100 Current SAC's Views on the ICBM Threat

JCS/SAC

- Gen R. N. Smith

1100 - 1115      BREAK

Col. George Keegan

1115 - 1145 DISCUSSION

Dr. Hyland

1145 - 1230 Current USAF's Views on the ICBM Threat

USAF - Col. Farrior

1230 - 1330 LUNCH

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1345 - 1415	<u>USA's Views on the ICBM Threat</u>	<u>USA</u> - <i>Maj. Haggard + Maj. Graham</i>	
1415 - 1430	<u>USN's Views on the ICBM Threat</u>	<u>USN</u> - <i>Cdr. Huber</i>	
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2 May 1962

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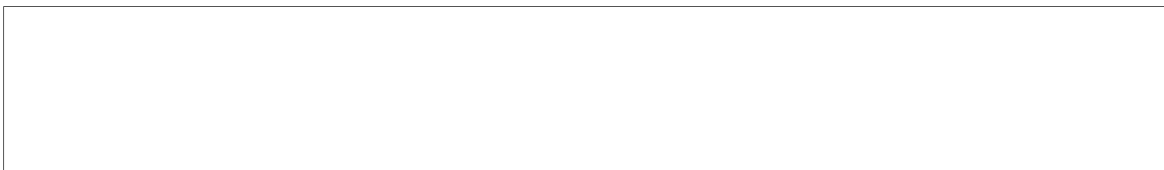
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1. Review of evidence and its evaluation

- a. Activities and facilities at ballistic missile test ranges (including Pacific series).



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- d. Evidence on deployment of MRBM's and ICBM's.
- e. Extent of information coverage.
- f. Review of recent Soviet nuclear tests.
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2. Present status of Soviet ICBM programs; including views of individual agencies and components.

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ATTACHMENT 4

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Lt. General Howell M. Estes, Member...Deputy Commander  
Aerospace Systems

Dr. George B. Kistiakowsky, Member....Professor of Chemistry  
Harvard University

Dr. William J. Perry, Member.....Engineering Manager  
Sylvania Electronics Defense Lab.

Mr. Arthur E. Raymond, Member.....Vice President and Director of  
Research, Rand Corporation

Rear Admiral Levering Smith, Member...Director, Technical Division,  
Special Projects Office, Bureau  
of Naval Weapons

Colonel Earl McFarland, Support.....Chairman, GMAIC

[redacted] Support.....Chief, Offensive Systems Division, 50X1  
OSI, CIA

[redacted] Secretary.....Administrative Assistant to AD/SI 50X1

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